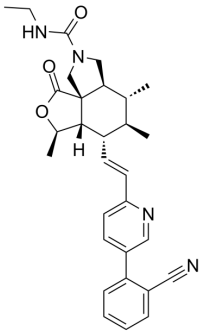
Protease-Activated Receptor-1 antagonist 3



Cat. No.:	HY-143315
Molecular Formula:	$C_{30}H_{34}N_4O_3$
Molecular Weight:	498.62
Target:	Protease Activated Receptor (PAR)
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Protease-Activated Receptor-1 antagonist 3 is a potent protease-activated receptor-1 antagonist with an IC_{50} value of 7 nM. Protease-Activated Receptor-1 antagonist 3 shows binding affinity for hERG K^+ channel with an IC_{50} value of 9 μM[1].
IC_{50} & Target	PAR-1 7 nM (IC_{50})
In Vivo	Protease-Activated Receptor-1 antagonist 3 (compound 23) (3 mg/kg; i.v.) shows 10% bioavailability in rats[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Rats[1]
Dosage:	3 mg/kg
Administration:	I.v.
Result:	Exhibited relatively high unbound clearance values with CL_u of 742 mL/min/kg, and V_d of 1.2 L/kg in rats.

REFERENCES

[1]. Mandal M, et al. Lead Optimization to Advance Protease-Activated Receptor-1 Antagonists in Early Discovery. J Med Chem. 2022 Apr 14;65(7):5575-5592.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA